

Recombinant Human HPS1, His-tagged

Cat. No. HPS1-13925H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HPS1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-324a.a.
Description	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Multiple transcript variants encoding distinct isoforms have been identified for this gene; the full-length sequences of some of these have not been determined yet.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	HPS1 Hermansky-Pudlak syndrome 1 [Homo sapiens]
Official Symbol	HPS1
Synonyms	HPS1; Hermansky-Pudlak syndrome 1; Hermansky Pudlak syndrome , HPS; Hermansky-Pudlak syndrome 1 protein; Hermansky-Pudlak syndrome type 1; HPS; MGC5277;
Gene ID	3257
mRNA Refseq	NM_000195
Protein Refseq	NP_000186
MIM	604982
UniProt ID	Q92902
Chromosome Location	10q23.1-q23.3
Function	protein binding; protein dimerization activity;

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